

Official

REMARKS

6/19/03

This Amendment is submitted in response to the Examiner's Action dated November 1, 2002, having a shortened statutory period set to expire February 1, 2003.

In that Action, the Examiner has withdrawn the finality of the previous rejection, which the Applicant gratefully acknowledges. However, the Examiner merely reiterates that rejection of the claims as anticipated by, or unpatentable over, *Shin et al.* (USP 6,321,340). In response to Applicant's previous arguments, the Examiner notes a belief that *Shin et al.* disclose a LAN wake-up circuit adapted to generate a LAN wake-up signal in response to receipt of a magic packet signal and thus, "displaying persistently" is inherent, because the system of *Shin et al.* is for connecting portable network devices into the network utilizing a wake-up call and when the system receives a wake-up call, it displays mode displays until the portable device is up. Applicant respectfully disagrees.

The Examiner's position is not only inconsistent with the teaching of *Shin et al.*, it is directly contrary to the teaching contained therein. The only display means set forth within *Shin et al.* are LEDs 222 (see Fig. 1) as described at col. 5, lines 4 *et seq.*, *Shin et al.* teaches that a reception mode display signal DRx is activated "during a frame reception mode" thereby displaying frame reception mode on LED 222. The MAC controller is also described as activating a "transmission mode display signal DTx during a frame transmission mode" thereby displaying frame transmission mode on LED 222. The physical signaling layer interface 254 activates a link display signal DLINK, which is linked to a LAN server, thereby driving the LED 222 to display a linked state. Thus, according to *Shin et al.* LED 222, the only display item disclosed within that system is capable of indicating receipt of any frame when it is activated by the "DRx" signal, which occurs "during a frame reception mode..." and, thus, Applicant urges that under the ordinary meaning of the words, this cannot be construed to be a "persistent" display.

Nevertheless, in order to further clarify this matter for the Examiner, Applicant has chosen

to amend claims 1 and 8 in a manner which is intended to further amplify "the dedicated display" portion of the claim. As set forth within these amendments, the "dedicated display" is now expressly recited as "only utilized to indicated receipt of said predetermined wake-up packet" as illustrated at reference numeral 701 in Fig. 7 of the present application. It is a primary purpose of the present application to provide a persistent indication after a wake-up LAN packet has occurred, and after the computer has ceased operations, so that the user of that computer may come to realize, at a later date, that a wake-up LAN packet has been received. Dedicated display 701 depicted on the Figure noted above, provides such indication persistently until that display is "reset" as set forth within claim 7, for example.

Thus, the present invention is clearly directed to the concept of providing a persistent display of the fact that a wake-up packet has been received, which persists after the receipt of the frame in question until it is reset, as set forth within the claims of the present application. Further, that display is accomplished utilizing a "dedicated display" which, in accordance with the claims as amended herein, is a display which is utilized "only to indicate receipt of the predetermined wake-up packet." As it is clear that LEDs 222, the only display noted within *Shin et al.*, are utilized to consistently and continually indicate transmission or receipt of frames or the status of the link, it is clear that this display cannot possibly provide the dedicated display set forth within the present claims, and as *Shin et al.* teach away from the provision of such a dedicated display, Applicant urges that claims 1-11 define patentable subject matter over this cited reference, and withdrawal of the Examiner's rejection and passage of this Application to issue is therefore respectfully requested.

No fee is believed to be required; however, in the event any additional fees are required, please charge IBM Corporation Deposit Account No. 50-0563. No extension of time is believed to be required; however, in the event any extension is required, please consider that extension requested and please charge any associated fee and any additional required fees to IBM Corporation Deposit Account No. 50-0563.

Respectfully submitted,



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ATTORNEYS FOR APPLICANT

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REDACTED CLAIMS

1 1. (Twice Amended) A connection unit for use with a computer and connectable to a  
2 network, said connection unit comprising:

3 means, responsive to receipt of a predetermined wake-up packet via said network, for  
4 generating a predetermined signal; and

5 means, responsive to said predetermined signal, for persistently displaying the receipt of  
6 said predetermined wake-up packet utilizing a dedicated display, wherein said dedicated display  
7 is only utilized to indicate receipt of said predetermined wake-up packet.

1 2. (Unchanged) The connection unit as recited in Claim 1, wherein said computer is not  
2 connected to said connection unit.

1 3. (Unchanged) The connection unit as recited in Claim 2 further comprises means,  
2 responsive to the receipt of said predetermined wake-up packet, for displaying the non-  
3 connection of said computer.

1 4. (Unchanged) The connection unit as recited in Claim 1 or 2, wherein said  
2 predetermined wake-up packet includes an instruction for causing a power supply of said  
3 computer to be remotely turned on.

1 5. (Unchanged) The connection unit as recited in Claim 1 or 2, wherein said network is a  
2 local area network (LAN).

1 6. (Unchanged) The connection unit as recited in Claim 1 or 2, wherein said displaying  
2 means comprises a liquid crystal display (LCD).

1 7. (Unchanged) The connection unit as recited in Claim 1 or 2 further comprising means  
2 for resetting said means for persistently displaying the receipt of said predetermined wake-up  
3 packet.

1 8. (Twice Amended) A network system comprising:  
2 a network; and  
3 a terminal apparatus connectable to said network, said terminal apparatus including:  
4 means, responsive to receipt of a predetermined wake-up packet via said network,  
5 for generating a predetermined signal; and  
6 dedicated display means, responsive to said predetermined signal, for persistently  
7 displaying the receipt of said predetermined wake-up packet, wherein said dedicated display  
8 means is only utilized to indicate receipt of said predetermined wake-up packet.

1 9. (Unchanged) The network system as recited in Claim 8, wherein said terminal  
2 apparatus is a portable equipment.

1           10. (Unchanged) An apparatus coupled to a network via a communication adapter, said  
2 apparatus comprising:

3           means, responsive to receipt by said communication adapter of predetermined  
4 information via said network, for generating a predetermined signal; and

5           means, responsive to said predetermined signal, for persistently displaying the receipt of  
6 said predetermined information from said network.

1           11. (Unchanged) A computer system having a computer that changes from a power-save  
2 mode or a power-off state to a normal operation mode due to a plurality of factors, said computer  
3 system comprising:

4           means for generating a signal indicating occurrence of a predetermined factor among said  
5 plurality of factors;

6           means, responsive to said signal indicating the occurrence of said predetermined factor,  
7 for persistently displaying the generation of said signal;

8           means for stopping displaying of said displaying means; and

9           means, responsive to a predetermined condition, for resetting said displaying means.